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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/636,083	08/07/2003	John Bohlin	211MC001	9836

7590 01/21/2005
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EXAMINER

VU, PHUONG T

ART UNIT PAPER NUMBER

2841

DATE MAILED: 01/21/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/636,083

Applicant(s)

BOHLIN ET AL.

Examiner

Phuong T. Vu

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) ____ is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1-20 is/are allowed.
- 6) ☒ Claim(s) 21-32 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. ____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 7 August 2003.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: ____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 21-24, 27-30 are rejected under 35 U.S.C. 102(b) as being anticipated by Makuch et al. (US 4,140,367). Regarding claim 21, the reference discloses a device comprising an optical subassembly 12, shell 13 and flange 14 and wherein the device is mountable to a bulkhead through the flange.

Regarding claim 22, the reference discloses a device comprising an optical subassembly 12, shell 13 and flange 14 and wherein the device is mounted to a bulkhead through the flange.

Regarding claim 23, the reference discloses an optical subassembly 12 and wherein the device is adapted for mounting to a bulkhead.

Regarding claim 24, the reference discloses a device comprising an optical subassembly 12 and wherein the device includes means 14 for attaching to a bulkhead.

Regarding claims 27-30, please refer to the above rejection.

3. Claims 25, 31 are rejected under 35 U.S.C. 102(b) as being anticipated by Hsiung (US 5,283,802). Regarding claim 25, the reference discloses a substrate 6 having electrical signal conditioning components mounted thereon, the substrate forming a plane, and an optical subassembly 5 attached to the substrate, the optical

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subassembly having a longitudinal direction and wherein the longitudinal direction of the optical subassembly is substantially perpendicular to the plane of the substrate and wherein the device is mountable to a bulkhead.

Regarding claim 31, please refer to the above rejection.

4. Claims 25, 31 are rejected under 35 U.S.C. 102(b) as being anticipated by Benzoni et al. (US 5,337,398). Regarding claim 25, the reference discloses a substrate 12 having electrical signal conditioning components mounted thereon, the substrate forming a plane, and an optical subassembly 28 attached to the substrate, the optical subassembly having a longitudinal direction and wherein the longitudinal direction of the optical subassembly is substantially perpendicular to the plane of the substrate and wherein the device is mountable to a bulkhead.

Regarding claim 31, please refer to the above rejection.

5. Claims 26, 32 are rejected under 35 U.S.C. 102(b) as being anticipated by Yoon et al. (US 6,334,012 B1). Regarding claim 26, the reference discloses (see figure 1) a device (comprising 3, 7) comprising an optical subassembly 5 and a ribbon cable 9 connected to 5) having a first end and a second end, the first end of the ribbon cable associated with the optical subassembly, and the second end of the ribbon cable electrically associated with a motherboard (provided in device connected to 1) that is located remote from the optical subassembly and wherein the device is mountable to a bulkhead (wall of device in which the optical subassembly is mounted).

Regarding claim 32, please refer to the above rejection.

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6. Claims 26, 32 are rejected under 35 U.S.C. 102(b) as being anticipated by Yoon et al. (US 6,334,012 B1). Alternatively, regarding claim 26, the reference discloses (see figure 1) a device (comprising 3, 7) comprising an optical subassembly 5 and a ribbon cable (which would necessarily be provided and would extend from 5 to the substrate provided in 1) having a first end and a second end, the first end of the ribbon cable associated with the optical subassembly, and the second end of the ribbon cable electrically associated with a motherboard (substrate provided in 1) that is located remote from the optical subassembly and wherein the device is mountable to a bulkhead (wall of device in which the optical subassembly is mounted).

Regarding claim 32, please refer to the above rejection.

Allowable Subject Matter

7. Claims 1-20 are allowed.

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Phuong T. Vu whose telephone number is (571) 272-2111. The examiner can normally be reached on Mon. & Tues., 7:30 AM - 4:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kammie Cuneo can be reached on (571) 272-1957. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only.

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For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

A handwritten signature in black ink, appearing to read 'Phuong T. Vu', followed by a long horizontal line.

Phuong T. Vu
Patent Examiner
Group 2841